

Name _____

Comparing Mitosis and Meiosis

Determine whether the following characteristics apply to mitosis or meiosis by putting an “X” in the appropriate column.

	Mitosis	Meiosis
1. No pairing of homologs occurs		
2. Two divisions		
3. Four daughter cells produced		
4. Associated with growth and asexual reproduction		
5. Associated with sexual reproduction		
6. One division		
7. Two daughter cells produced		
8. Occurs in somatic (body) cells		
9. Chromosome number is maintained		
10. Chromosome number is halved		
11. Crossing over between homologous chromosomes may occur		
12. Daughter cells are identical to each other and parent cell		
13. Daughter cells are not identical to each other or parent cell		
14. Occurs in germline (reproductive) cells		
15. Synapsis occurs in prophase		